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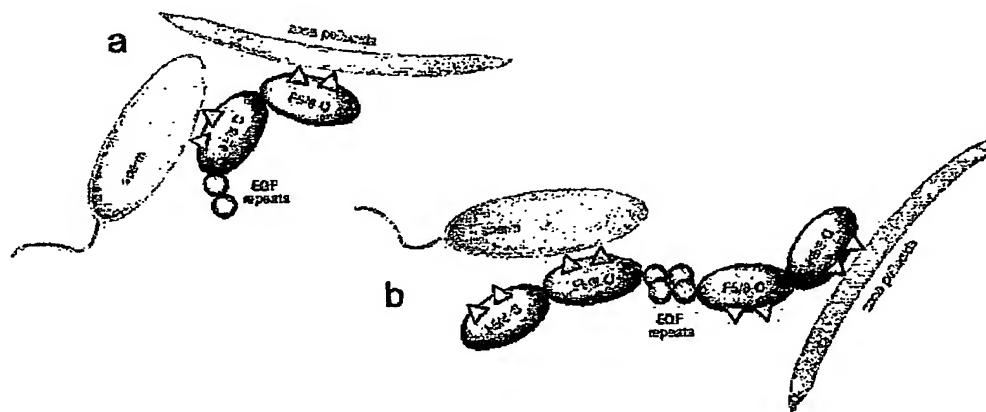
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(54) Title: METHODS AND COMPOSITIONS FOR MODULATING GAMETE ADHESION



C	SEQID-EGF-1	...S E D T C P S - G L C L U G G T - G L T G Q D -S E D T C P S - G L C L U G G T - G L T G Q D - ...
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	Seqid EGF-13	...S E D T C P S - G L C L U G G T - G L T G Q D -S E D T C P S - G L C L U G G T - G L T G Q D - ...
	Seqid EGF-12	...S E D T C P S - G L C L U G G T - G L T G Q D -S E D T C P S - G L C L U G G T - G L T G Q D - ...
	Seqid EGF-20	...S E D T C P S - G L C L U G G T - G L T G Q D -S E D T C P S - G L C L U G G T - G L T G Q D - ...
	Seqid EGF-21	...S E D T C P S - G L C L U G G T - G L T G Q D -S E D T C P S - G L C L U G G T - G L T G Q D - ...
	Delta EGF-4	...S E D T C P S - G L C L U G G T - G L T G Q D -S E D T C P S - G L C L U G G T - G L T G Q D - ...
	Delta EGF-7	...S E D T C P S - G L C L U G G T - G L T G Q D -S E D T C P S - G L C L U G G T - G L T G Q D - ...

(57) Abstract: Methods and compositions for modulating mammalian gamete adhesion are provided. Representative modulators of gamete adhesion include, but are not limited to polypeptides comprising at least one discoidin/C domain, and optionally at least one EGF domain. A representative polypeptide includes, but is not limited to SED1 polypeptides (SEQ ID NO. 2-7), prodrugs, fragments, or derivatives thereof. Methods for identifying modulators of SED1-mediated gamete adhesion are also provided.



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